

MFA0206

Blower designed for specific integration

AIRFAN's naked turbine architecture.

The **MFA0206** is designed for implementation in ventilators including **Home Life Support with O₂ injection before the turbine****.

It is derived from the **MFA0205** without inner motor cooling system.



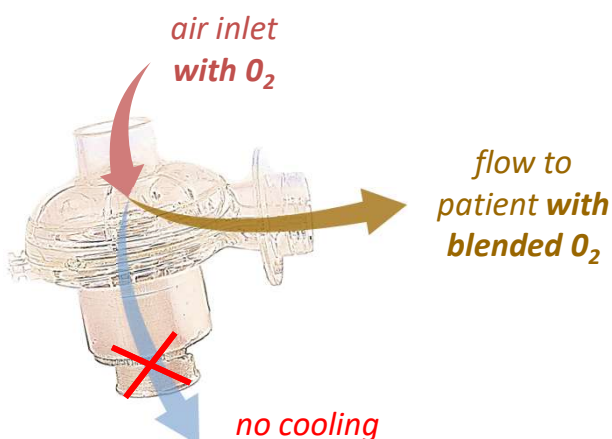
PERFORMANCES

ΔP max @24V		79 hPa	fully closed
Q max @24V		300 l/mn	fully opened
Typical w/p @30 l/mn		P = 9.3 (W)	@30 hPa
		P = 17.4 (W)	@60 hPa
LifeTime (L10)		> 25 000 hours*	
Type		Naked turbine	

* LifeTime expectancy based on standard operating conditions

 Dynamic transient time*	< 95 ms	@3A max
	< 88 ms	@6A max
	< 84 ms	@10A max
<i>* from 5 to 60 hPa @30 l/mn</i>		
 Noise Level*	< 53 dBa	@10 hPa
	< 61 dBa	@30 hPa
	< 67 dBa	@60 hPa

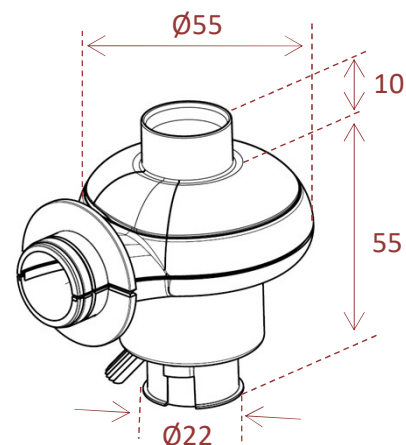
* with Blower inlet @1m



** Oxygen compatibility and lifetime depending on customer operating conditions

TECHNICAL DATA

Voltage supply	24 VDC (nom) 28 VDC (max)
Motor type	Brushless with Hall-effect sensors
Dimensions (casing)	Ø55 x 65 mm (Ø2.2 x 2.6 in)
Weight	0.10 kg (~ 0.22 Lb)
Integration	works in any position/orientation
Temperature	+10 to +50°C ambient
Humidity	15 to 95% RH non-condensing
Atmospheric pressure	660 to 1060 hPa
Oxygen compatibility	Yes

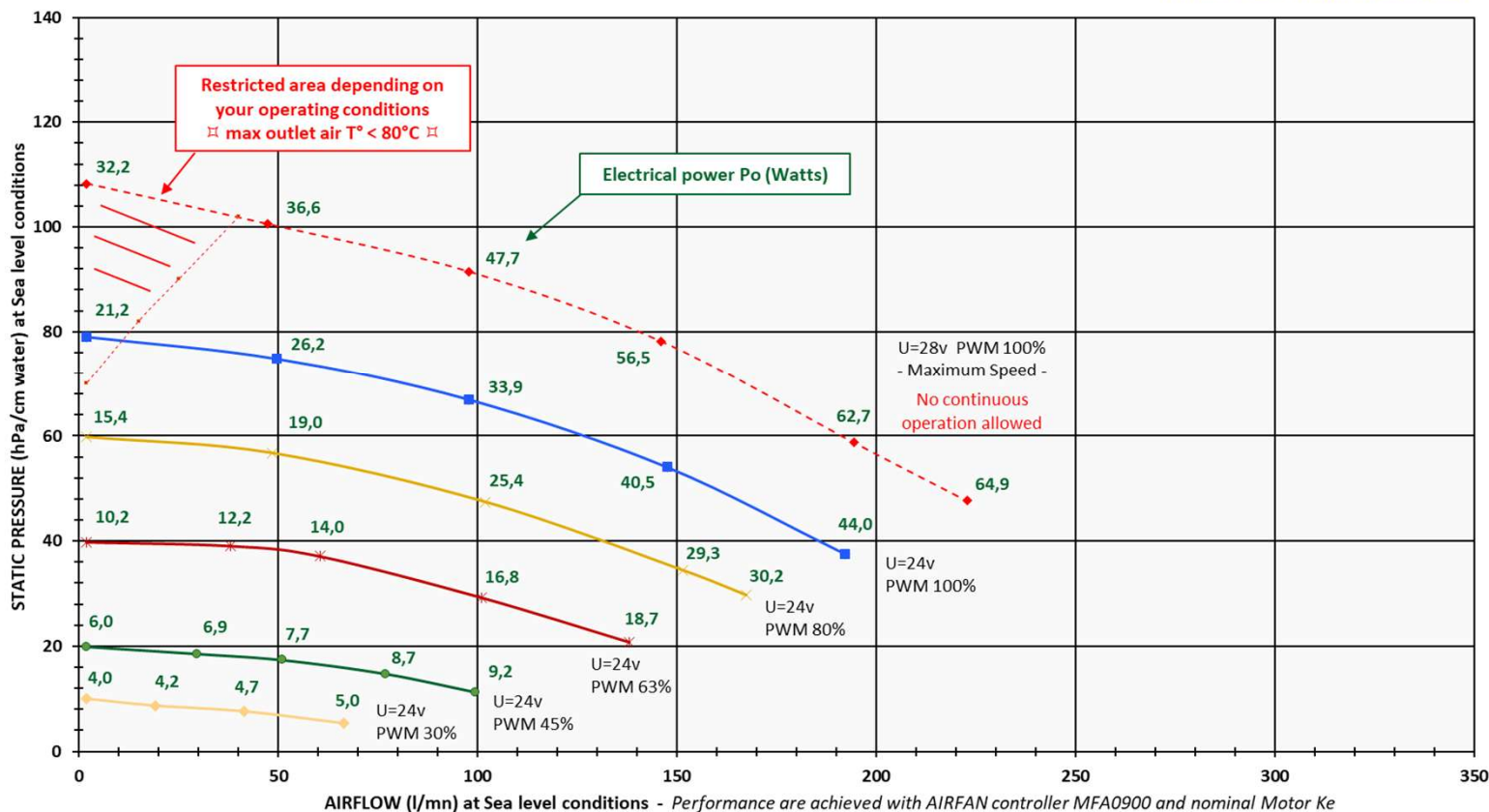


COMPRESSOR MAP

MFA0206 Turbine

Static ΔP vs Airflow at Constant PWM and Motor Voltage

PWM = Pulse Width Modulation



CUSTOMISATION



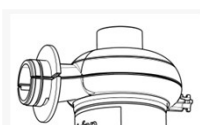
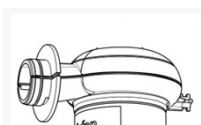
☒ with or without inlet tube



☒ external suspension for vibration



☒ Wire Length 150mm or custom



CUSTOMISE TO YOUR SPECIFICATIONS



All values listed are typical values with tolerance classification grade 4 according to standard ISO 13348